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DIALOG(R) File 352:Derwent WPI

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De-inking agent for waste paper recycling - comprises alkyleneoxide adduct mixt. contg. natural fatty oil and polyhydric alcohol

Patent Assignee: KAO CORP (KAOS)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 60239585	A	19851128	JP 8488990	A	19840502	198603 B
JP 89057194	B	19891204				199001

Priority Applications (No Type Date): JP 8488990 A 19840502

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 60239585	A		5		

Abstract (Basic): JP 60239585 A

Deinking agent contg. alkyleneoxide adduct of mixt. of (a) natural fatty oil and (b) polyhydric alcohol. Pref. alkylene-oxide adduct mol. number is 10-100 mol. Pref. (a)/(b) mol. ratio is 1/0.1-1/3.

Pref. natural fatty oil is e.g. coconut oil, palm oil, rapeseed oil, tallow, etc. Polyhydric alcohol is, e.g. glycerin, trimethylolpropane, trimethylolethane, 1,2,4-butanetriol, 1,2,6-hexanetriol, diglycerin, etc. Alkyleneoxide is, e.g. ethyleneoxide, propyleneoxide, butyleneoxide, etc.

Addn. point of the deinking agent is at defibration process of waste paper and/or high consistency bleaching process. Dosage is 0.2-1.0 wt. % per pulp.

USE/ADVANTAGE - The deinking agent has excellent ink collecting properties in a flotation deinking system, also provided high brightness deinked pulp.

Derwent Class: A25; A97; E19; F09

International Patent Class (Additional): D21C-005/02